

**Patent** [19]

[11] Patent Number: 2001190646

[45] Date of Patent: Jul. 17, 2001

**[54] PHOTOCATALYST PURIFYING DEVICE**

[21] Appl. No.: 2000004859 JP2000004859 JP

[22] Filed: Jan. 13, 2000

[51] Int. Cl.<sup>7</sup> A61L00900 ; A61L00920; B01D05386**[57] ABSTRACT**

**PROBLEM TO BE SOLVED:** To provide a photocatalyst purifying device which can improve deodorization and sterilization efficiency by giving a sufficient catalytic function by a light excited catalytic material to a treated fluid.

**SOLUTION:** The photocatalyst purifying device in which in a flow space 8 formed between an upstream photocatalyst filter 5 and a downstream photocatalyst filter 6, an ultraviolet irradiating means 10 irradiating each of the photocatalyst filters 5 and 6 with ultraviolet rays is provided and in which treated flowing in from the upstream photocatalyst filter 5 passes through the flow space 8 and flow out from the downstream photocatalyst filter 6, wherein flow inhibiting means 12, 31, 41, 51, 61, and 71 which inhibit the flow of the treated fluid are provided.

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